

TurfTracker 3301 Assembly Instructions:

Before you get started, check to see that you have all the parts listed below. Read all directions before starting any assembly.

Parts Shown in Figure 1:

- Switchbox Power Unit w/10' Battery Cable, 1 ea.
- Tank Stand, 1 ea.
- 2 qt. Tank, 1 ea.
- Cap Assembly, 1 ea.
- Foam Tubing Elbows, 2 ea.
- Collector Heads, 2 ea.

Parts Not Shown in Figure 1:

- * Foam Tubing Tee, 1 ea.
- * 1" Sections of Velcro, 4 ea.
- * 15' Section of Vinyl Foam Tubing, 1 ea.
- * 10' Section of Air Tubing, 1 ea.
- * Cable Ties, 12 ea.

1. Attach the Tank Stands

Determine a convenient location to bolt the tank stand, keeping in mind that the tank should be mounted near the back of the applicator and be kept in a perpendicular position. The stand is designed to facilitate many different mounting configurations. Often times, the bracket will easily mount on a horizontal frame member on the applicator. Attach the tank stand to the applicator using U-bolts or hex-head bolts as needed (not supplied).

2. Set Tank in Stand

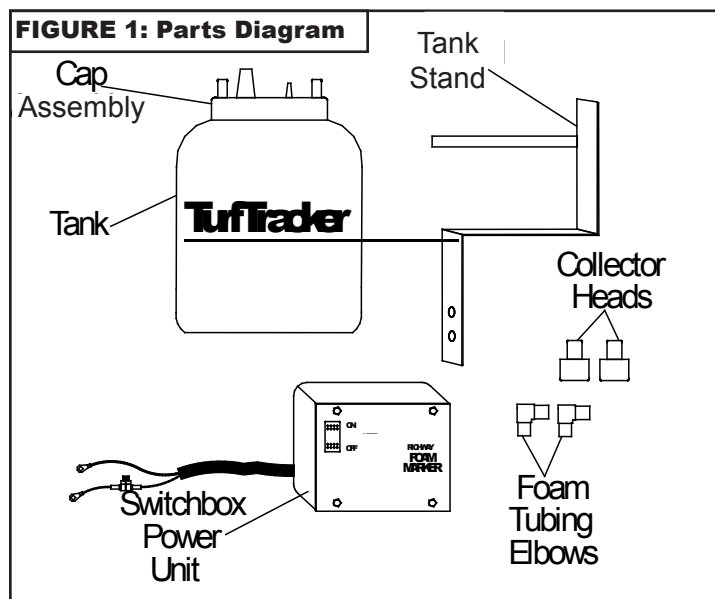
Place the tank in the tank stand and secure the cap assembly.

3. Attach Power Unit Switchbox

Determine a convenient location to place the power unit switchbox for ease of turning on and off. Either bolt the box down or attach using the 1" velcro strips provided. Secure firmly in place as needed. Route the battery cable to the battery and secure the white wire to the positive (+) battery post. Secure the black wire to the negative (-) battery post.

4. Install Air Tubing

Using the smaller diameter air tubing, connect the tubing to the outlet on the back of the switchbox assembly and route back to the tank. Connect to the small inlet on the top of the cap assembly. Secure tubing as needed with the cable ties provided.



5. Install Foam Tubing

Cut a length of the larger diameter tubing equal to the desired drop width of the applicator, then cut this length of tubing in half. (For example, if the applicator's spray width is 90 inches, first cut a 90" section, then cut this section into two 45" pieces.) Install the foam tubing tee to connect the two pieces of tubing, then mount this assembly to the spray boom using the cable ties provided. Next, cut and install a length of tubing to connect the cap assembly outlet on the tank to the foam tubing tee on the spray boom. Cut two additional lengths of tubing to use as drop tubes at the end of the tubing assembly. When positioned and cut correctly, the drop tubes should be about 6 inches above the applicator canopy to prevent the foam drops from blowing off course. Insert the foam tubing elbows into the foam tubing at the end of each boom. Insert the drop tubes into the foam tubing elbows. Insert collector heads into the bottom of the drop tubes.

For single drop applications, cut a length of tubing to connect to the cap assembly outlet on the tank and the desired foam drop location. Install the collector head and secure with cable ties as needed.

TO USE YOUR NEW TURF TRACKER 3301 FOAM MARKING SYSTEM:

Your TurfTracker 3301 Foam Marking System is designed to operate with liquid dishwashing soap and distilled water. The operator may need to alter mix rates and products used to get the desired results.

1. Add Distilled Water

Fill the tank $\frac{3}{4}$ full with distilled water. The manufacturer recommends using distilled water- use of any other water source may decrease performance of the unit. Overfilling the tank will initially decrease performance.

2. Measure & Add Liquid Dishwashing Soap

Add 1-3 Tbls. of liquid dishwashing soap to the water. It is recommended that you first mix 1 Tbls. of soap and check the foam output of the unit. Increase soap concentration as needed to get the desired foam output. Performance of the foam marking unit may vary with different kinds of dishwashing soap. If foam output is poor, try a different kind of soap. **This unit is designed for LIQUID dishwashing soap.**

3. Shake Bottle

Replace the cap assembly onto the tank, making certain the cap gasket is in place. Shake the bottle a few times and return assembly to the tank stand. Reattach the hoses.

4. Run for 30 Seconds

Turn on the power unit and let run for 30 seconds until foam output is consistent. Begin fertilizing with your new foam marking system. Remember that the marker is marking the edge of your lawn treatment, not your wheel tracks. Adjust your treatment path to eliminate unsightly skips and overlaps.

Instructions Continued on Back Panel

WHAT TO EXPECT WITH YOUR TURFTRACKER:

After about 30 seconds, your foam output should become more consistent, with a drop of foam coming out of each drop hose every 1-3 seconds. Foam output will become sporadic after approximately 25-30 minutes of continuous running. Once the foam solution level drops below 2" in the tank, stop and refill the container. Performance of the foam marking system will greatly decrease once the liquid level drops below 2" in the tank. Normally, the foam will stay on the ground from 10-30 minutes, depending on weather conditions. The foam shouldn't harm your lawn or plants, but it is advisable to first test the foam in an inconspicuous space to determine if your plants are susceptible to any adverse effects from the foam.

CAUTION: DO NOT GET FOAM IN YOUR EYES.

MAINTENANCE AFTER EACH USE:

Fill the tank with hot water and run for approximately one minute. Thoroughly rinse the tank out with hot water. Disconnect from battery. Make certain all components, especially the tubing, are dry before storing in freezing temperatures.

TROUBLE-SHOOTING:

Inadequate Foam Output-

- ** Check Airline Connections- Make certain air is not leaking at the pump fitting and external and internal cap assembly fittings
- ** Check Cap Assembly- Cap should be fitting tightly on bottle
- ** Check Airline Tubing- Be sure that airline tubing is not plugged from the pump to the bottom of the foam generation tube
- ** Check Foam Tubing- Make certain foam tubing is free of any obstructions
- ** Use distilled water
- ** Try another brand of liquid dishwashing soap
- ** Increase the amount of liquid dishwashing soap used in each batch

Runny Foam-

- ** Use less liquid dishwashing soap in each batch
- ** Only fill tank 3/4 full

Foam Going Into Air Pump-

- ** Replace check valve

Takes Too Long to Produce Good Foam-

- ** Use less liquid dishwashing soap



TurfTracker 3301 Foam Marking System

- Versatile Mounting Options
- Easy-Fill 2.0 Quart Container
- 25-foot of Durable Vinyl Tubing
- Fits Most Applicators Up to 8' Wide
- Easy Mounting
- 30 Minute Run Time
- Uses Ordinary Liquid Dishwashing Soap
- Durable, Rust Proof Parts
- Made in U.S.A.

Questions, Comments, Information

Visit the Turf Tracker website:
www.turftrackernow.com

**** TurfTracker is a trademark of
Richway Industries, Ltd.**

**** Patent Pending**

Thank you for purchasing a Richway **TurfTracker** foam marking system. Please read and follow all directions carefully to ensure proper mounting of the system and longevity of the product. With its rustproof parts, the **TurfTracker** is designed to give you great results for many years to come.

**Assembly and Use Instructions Inside
Save for Future Reference**